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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Serial No.: 10/517,090  
Filed: December 6, 2004 as Express Mail No. EV488818929US  
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Confirmation No.: 1123  
Applicant: Michail Tsatsanis et al.  
Title: MULTILINE TRANSMISSION IN COMMUNICATION SYSTEMS  
Attorney Docket: VOY-023US

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

In accordance with the duty of candor and good faith imposed by 37 CFR §1.56 and means of complying therewith according to 37 CFR §§1.97 and 1.98, the references listed on the attached PTO-1449 are called to the attention of the United States Patent and Trademark Office in connection with the above-identified patent application.

This application was filed after June 30, 2003, and therefore, no copies are enclosed of the U.S. Patents or Published applications cited as references herein.

No admission is made that the cited art represents the prior art or that the cited art is the most material art. Applicant submits that none of the cited references alone or in combination disclose or render obvious the subject matter in the present invention. The

Examiner is urged to consider the cited references and to make an independent decision with respect to their materiality.

Applicants do not believe that any fees are due in connection with this submission. However, if such extension is due or any other fees are necessary, the Commissioner may consider this to be a request for such and charge any necessary fees to deposit account 23-3000.

Respectfully submitted,

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SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. VOY/023US		SERIAL NO. 10/517,090							
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)				APPLICANT Michail Tsatsanis, et al.									
				FILING DATE I.A. June 6, 2003		GROUP							
U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	A.A	5	1	8	1	1	9	8	1/19/1993	Lechleider			
	A.B	5	9	9	9	5	6	3	12/7/1999	Polley et al.			
	A.C	6	0	1	1	8	1	4	1/4/2000	Martinez et al.			
	A.D	6	2	6	3	0	7	7	7/17/2001	Zuranski et al.			
	A.E												
	A.F												
	A.G												
	A.H												
	A.I												
	A.J												
	A.K												
U.S. PUBLISHED APPLICATIONS													
		DOCUMENT NUMBER						PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)	
	A.L	US2003/O086362 A1						5/8/2003	U.S.				
	A.M												
	A.N												
	A.O												
	A.P												
	A.Q												
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
	A.R	G. Tauboeck and W. Henkel, <u>MIMO Systems in the Subscriber-Line Network</u> , 5th Intl. OFDM Workshop, Hamburg, 2000											
	A.S												
	A.T												
EXAMINER									DATE CONSIDERED				
EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance <u>and</u> not considered. Include a copy of this form with next communication to applicant.													